25: Ferrars E-5 (ca. 1890) 1901 AP1 Burma
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209. THE HAMADRYAD.

one commonly notices. A great lizard (*put*), weighing twenty to forty pounds, infests hollow trees; it is shot and eaten by the Burmans, and its skin used for sandals. Most of the venomous snakes of India are common to Burma, excepting the small and deadly *krait*. The formidable hamadryad is added, but there are no fully established cases of the pursuit of man which is attributed to this snake. The casualties due to snake-bite are chiefly among the reapers. The gigantic python is not dangerous to man. Scorpions and centipedes are common enough, but their stings and bites are not often serious.

Good clay for pottery is only found in certain localities, and from these the manufactures are sent to great distances by water. Clay almost stone-hard and laterite are pounded with a tilt-hammer, screened, and worked up in certain proportions with water and sand, by treading with the feet. The best and strongest pots for cooking are not turned on the lathe but *patted* into shape by hand. These are but slightly porous and of a hard consistence. The lathe pottery is very porous when not glazed. A salt glaze is used for jars to store oil. For ornamental work, lead glazes, coloured with vitriols, are employed. At the potteries, immense reverberating kilns are built for firing the pots. Smaller kilns are fired all round or are excavated underground on the plan of the lime-kiln. Wood is the fuel used.

210. POTTERY—PATTING THE WARE INTO SHAPE.

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Stone for building is scarce, except in Arakán. Masonry is reserved for the *zedi*. Of late, owing to a fresh impulse from India, masonry has again come into greater use. Everywhere in the inhabited plains one

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211. LATHE POTTERY.

comes upon bricks, and on nearly every hill bricks bear evidence that at some time a *zedi* had crowned the top. In the moist region the disintegrating effect of the vegetation is such that frequently no indication remains of the form of the original structure. The use of brick doubtless came in with the early Buddhist architecture exemplified at Pagán. The brick-fields are on the confines of the rice-fields, and of the same character as to soil, a light loam. The work begins in November after the ground has dried. The surface soil is rejected and the earth dug with mattocks a yard or two deep. The clods are soaked in water and trodden into a doughy mass with an admixture of rice husk. The bricks are moulded direct on the ground, which has been smoothed beforehand, and are left to dry in the sun (No. 181). Before stacking the dried bricks, the lower or rough edge is trimmed with a *dá*. The commonest size of brick is 12" × 6" × 1½". A burn consists of ten thousand bricks and sells for about forty-five rupees. In the dry zone, brick has always been used for house-building to some extent, unless when prohibited by the government. In the south, the brick-work is invariably plastered over with *ingade* to prevent the clay mortar from washing out. Now that bricklaying in Pegu has passed into the hands of masons from India, lime-mortar is usual.

The limestone rocks which are a feature of the Eastern Peninsula, rise abruptly from the plains to heights of one to three thousand feet (No. 107). They are honeycombed with fissures which facilitate quarrying. During the floods, boats can approach and be loaded with the stone. Lime is used for whitewash, plaster, mortar, and for chewing

212. FANCY POTTERY, SHAN.

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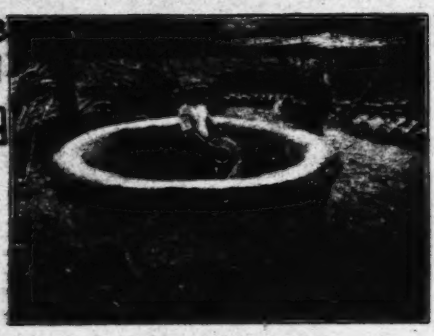

213. KILN FOR PATTED WARES.

with betel. The limestone rocks abound in caves, many of which have been incrusted with images, and transformed into temples and shrines (No. 84), but the rock is not hewn. The lime is packed in baskets of leaf and bamboo-wicker, a stone or two in weight; it sells at the kiln for one and a half to two rupees a hundredweight. The tenacity of the Burman lime-plaster is very great. Strength is obtained by liberal use of lime, and in the better class of work by the addition of glue and palm sugar. Hair and fibre are not added. For the first layers, coarse sand is mixed with the lime, for the finishing layers, fine sand. The decoration of the work is only roughly indicated in the masonry. The relief of the ornament is high, and the thickness of the stucco very considerable in parts. The stucco is frequently gilt, on *zedi* and images. The gold-size (*thissi*, p. 101) is applied direct to the plaster, which, however, in time, furnishes a soil for lichen, causing the gold to scale off.

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Although stone is not quarried in sufficient abundance for building except in Arakán, good stone for carving images is found in several places. The most notable of these is Taung-u, on the Irawadi, opposite Pagán. More important than the red sandstone industry of Taung-u is the industry at Sagáing, opposite Ava, on the Irawadi, where a beautiful white marble is quarried. The heavy blocks are hewn in the rough at the quarry and transported to the site of erection to be finished. The subjects are chiefly the conventional images of the Buddha, from a pound in weight to several tons (No. 218).

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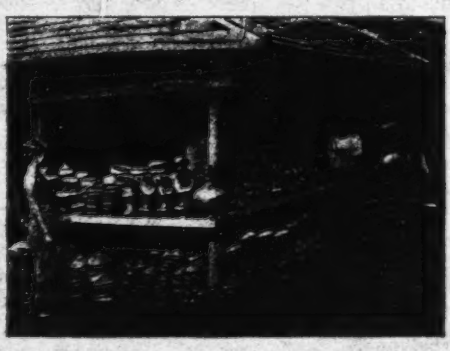

214. POTTERY SHOP.

000 The cordage used in